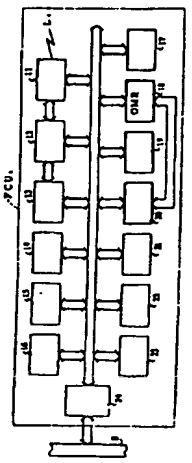
(54) OPERATION MANUAL GENERATING DEVICE

(11) 4-236655 (A) (43) 25.8.1992 (19) JP
(21) Appl. No. 3-4958 (22) 21.1.1991
(71) RICOH CO LTD (72) CHUZO NASHIMOTO
(51) **Int. Cl⁵. G06F15/00,G06F3/02,G06F3/14**

PURPOSE: To efficiently constitute a picture by allowing character information and image information to exit together especially at the time of output explanation data.

CONSTITUTION: An editing control part 23 alternately outputs main scanning lines for character information constituting explanation data and main scanning lines for image information to a manual generation buffer 14 in the subscanning direction at the time of editing and generating an operation manual, and character information and image information are allowed to exist together in the same subscanning area to constitute the picture of explanation data.



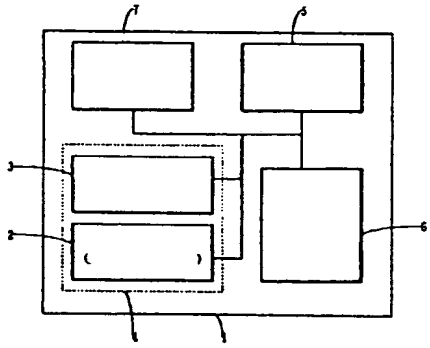
11: network control part, 12: MODEM, 13: communication control part, 15: encoding/decoding part, 16: channel control part, 17: control program storage part, 18: OMR processing part, 19: data storage part, 20: storage memory, 21: instructor information storage part, 22: system information storage part, 24: bus control part

(54) ELECTRONIC DOCUMENTATION SERVER

(11) 4-236656 (A) (43) 25.8.1992 (19) JP
(21) Appl. No. 3-16810 (22) 18.1.1991
(71) FUJI XEROX CO LTD (72) KOJI KUSUMOTO
(51) **Int. Cl⁵. G06F15/00,G06F15/20,H04L12/54,H04L12/58**

PURPOSE: To improve the use efficiency by presenting a document processing service through a network and enabling a user to define contents of the document processing service.

CONSTITUTION: An electronic documentation server 1 consists of a user interface part 7, a service interface part 5, a service program management part 6, and an information processing part 4, and the information processing part 4 is provided with a service program storage part 3 and a document processing part 2 (fundamental service program), and the user interface part 7 interactively exchanges documents with the user, who receives the document processing service on a distributed network, through the service interface part 5.

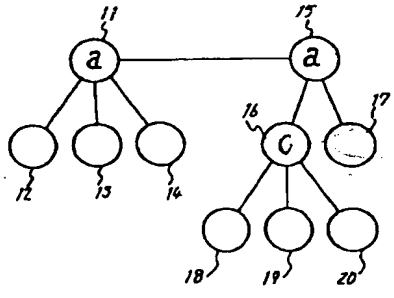


(54) PROCESSOR SYNCHRONIZING SYSTEM FOR MULTIPROCESSOR SYSTEM

(11) 4-236657 (A) (43) 25.8.1992 (19) JP
(21) Appl. No. 3-4919 (22) 21.1.1991
(71) NEC CORP (72) TAKUMI SHIMAJIRI
(51) **Int. Cl⁵. G06F15/16**

PURPOSE: To reduce the number of communication packcets by dividing plural processors into several subgroups and arranging processors in each subgroup into a tree structure where they are fanwise connected from the top to the bottom.

CONSTITUTION: Processors 12 to 14 issue a synchronizing packet for synchronism acquisition to a processor 11 and interrupt their own processings. A processor 15 waits for arrival of the packet for synchronism acquisition from processors 16 and 17, and the processor 16 issues the synchronizing packet to the processor 15 to interrupt its own processing after arrival of the synchronizing packet from lower-order processors 18 to 20. When confirming the arrival of the synchronizing packet from lower-order processors 12 to 17, processors 11 and 15 transmit the synchronizing packet to each other. When they receive the synchronizing packet from each other, synchronism is settled.



a: master, c: submaster